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**WATER SUPPLY OUTLOOK
FOR
UTAH**

JAN 25 1974

EDUCATIONAL RESOURCES
CENTRE



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES
-- DIVISION OF WATER RIGHTS**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JAN. 1, 1974

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Snow Surveyors near Ship Creek,
Alaska snow course.*

U.S. GOVERNMENT PRINTING OFFICE

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

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SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

DEE C. HANSEN

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

|||||
Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY, UTAH 84138

WATER SUPPLY OUTLOOK

as of
January 1, 1974

* * * * *
* Utah's summer Water Supply Outlook ranges from "below average" *
* for some areas without reservoir storage to "above average" for *
* those watersheds with adequate storage. Snow cover varies from *
* 50 to 150% of the January 1 average. Reservoir storage is 146% *
* of average statewide with some reservoirs better than double *
* average for January 1. *
* * * * *

SNOW COVER

Snow measurements taken near January 1 range from 47% of average in Uintah Basin to 160% of average for Middle Canyon near Tooele. Measurements taken the week before Christmas do not show the increases in moisture which fell a few days after Christmas. Early measurements on the Ogden and Logan Rivers were only 55 and 72% of average. These measurements as well as those for Uintah Basin were improved as much as 25 to 30% according to radio readings taken since the storms.

Snow Cover on the Weber and Provo Rivers was 106% and 100% of the 1958-72 15 year average for January 1. Watersheds above Salt Lake City averaged about 145% of the January 1 average.

Strawberry Valley snow measurements showed 133% of average and Price River was 92% of average.

Sevier River snow ranged from 51% of average above Panguitch to 136% on Salina Creek. Measurements on the San Pitch averaged 105% of the January 1 average.

Coal Creek snow cover was 75% of average and Virgin River was 63% of average.

RESERVOIR STORAGE

Reservoir storage is 146% of the January 1 average for the 1958-72 fifteen year period. This is 17% better than last January 1 and 32% of useable capacity for 15 of the key reservoirs in the state excluding Colorado River storage facilities.

Weber Basin Reservoirs contain 160% of the January 1 average storage and about 6% more than a year ago.

Sevier River Reservoirs have excellent carry-over with 216% of the January 1 average and 179% of last year at this time.

Bear Lake storage was 117% of average and slightly less than last January 1. Utah Lake was 157% of average and Deer Creek Reservoir was 120% of average. Strawberry Reservoir was 187% of the January 1 average.

Streamflow forecasts will be published beginning with the February 1 bulletin.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1109.1	1135.6	944.4
	Woodruff Narrows	26.5	26.5	21.5	19.8b
<u>Beaver River</u>	Minersville (RkyFd)	23.3	17.3	8.0a	9.6
<u>Little Bear</u>	Hyrum	15.3	10.5	10.6	9.2
	Porcupine	11.3	3.5	3.3	3.1b
<u>Ogden</u>	Causey	6.9	1.5	1.7	2.1b
	Pineview	110.1	46.5	45.1	38.2
<u>Provo</u>	Deer Creek	149.7	114.5	101.7	95.3
<u>Sevier River</u>	Gunnison	18.2	13.3	5.1	7.7
	Otter Creek	52.5	43.5	21.4	21.9
	Piute	71.8	48.6	31.4	29.8
	Sevier Bridge	236.0	174.4	98.2	70.1
<u>Spanish Fork</u>	Strawberry	270.0	207.2	175.6	110.9
<u>Utah Lake</u>	Utah Lake	883.9	814.3	685.7	519.7c
<u>Weber</u>	East Canyon	48.1	37.0	39.1	17.6
	Echo	73.9	48.3	55.7	35.3
	Lost Creek	20.0	13.3	14.6	12.0b
	Rockport	60.9	58.8	31.6	30.1
	Willard Bay	193.3	158.1	155.4	102.6b
COLORADO RIVER BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	24.2	23.9	17.9b
<u>Colorado</u>	Blue Mesa	829.5	598.7	415.9	- -
	Lake Powell	25002.0	17641.0	12771.0	- -
<u>Green</u>	Flaming Gorge	3749.0	2938.0	3087.0	- -
<u>Lake Fork</u>	Moon Lake	35.8	20.6	14.1	14.5
<u>Price River</u>	Scofield	65.8	41.5	21.7	27.8
<u>San Juan</u>	Navajo	1696.0	1112.9	982.8	- -
<u>San Rafael</u>	Huntington North	3.9	1.2	2.5	1.5b
	Joe's Valley	54.6	36.7	32.5	29.8b
	Mill Site	16.7	4.0	3.1	- -
<u>Strawberry</u>	Starvation	165.3	138.3	133.1	- -
<u>Uintah</u>	Bottle Hollow	11.3		11.0	- -

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
NAME	Elevation				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN												
UPPER BEAR RIVER (Above Harer, Idaho)												
CCC Camp	7500	12/27	23	4.2	5.1	4.9						
Salt River Summit	7900	12/27	30	6.1	5.6	- -	12/27	2.40	- -	8.05	7.04	114
LOWER BEAR RIVER (Below Harer, Idaho)												
Emigrant Summit	7350	1/3	54	14.4	9.8	9.6						
Franklin Basin*	8000	12/20	32	9.4	- -	- -	1/3	6.72	- -	- -	- -	- -
Garden City Summit	7600	12/20	23	5.6	6.4	7.4	12/20	- -	- -	6.03	8.82b	68
Klondike Narrows*	7400	12/20	24	5.8	7.5	7.9b	1/3	7.87	- -	- -	8.87b	- -
Little Bear (lower)	6000	12/21	14	3.2	- -	- -						
Little Bear (upper)*	6550	12/21	15	3.6	- -	- -	1/3	4.75	- -	- -	- -	- -
Monte Cristo	8960	12/18	26	7.8	11.1	- -	12/18	- -	- -	10.98	- -	- -
Steep Hollow #1	8500	12/20	44	13.0	11.8	- -						
Steep Hollow #2	7700	12/20	34	9.0	8.9	- -						
Tony Grove R. S.*	6250	12/20	14	2.8	4.4	4.3	1/3	4.75	- -	10.78	8.73a	- -
OGDEN RIVER												
Beaver Crk-Skunk Crk	7150	12/18	16	3.3	6.3	- -						
Ben Lomond (lower)	6000	12/19	18	3.8	6.3	5.5						
Ben Lomond Peak*	8000	12/19	25	6.7	14.2	13.3b	1/3	9.54	- -	17.04	- -	- -
Ben Lomond Trail	6000	12/19	20	4.2	7.0	5.7b	12/19	Gage Molested	- -	- -	11.84a	- -
Causey Dam	5500						12/18	- -	- -	5.69	6.49b	88
Cutler Creek	6780	12/19	25	5.7	11.4	9.9b						
Dry Bread Pond	8230	12/18	17	5.0	8.6	- -	12/18	- -	- -	5.65	- -	- -
Francis Canyon*	7400						1/3	3.95	- -	- -	- -	- -
Guilder's Peak*	8050						Data Not Available					
Magpie*	7700						Data Not Available					
Middle Fork Ogden*	8420						1/3	7.39	- -	- -	- -	- -
Powder Mountain - Sundown	8700	12/27	40	10.0	- -	- -						
Sagebrush Flat	6300	12/18	9	1.8	2.6	- -	12/18	- -	- -	3.56	- -	- -
WEBER RIVER												
Beaver Creek R. S.	7500	12/28	23	4.3	5.6	3.7						
Chalk Creek #1*	9100	12/26	44	10.2	11.3	- -	Data Not Available					
Chalk Creek #2*	7900	12/26	31	6.2	7.8	- -	Data Not Available					
Chalk Creek #3	7500	12/26	20	3.8	5.0	- -	12/26	- -	- -	6.89	- -	- -
Farmington Canyon (lower)	6950	12/26	32	7.6	9.5	8.6b	12/26	3.64	- -	10.79	- -	- -
Farmington Canyon (upper)	8000	12/26	35	9.4	13.5	11.9b						
Farmington Guard Station	7500						12/26	3.27	- -	10.50	- -	- -
Hardscrabble*	6500						1/3	7.04	- -	15.15	- -	- -
Horse Ridge	8260	12/14	28	6.6	9.6	- -	12/14	- -	- -	8.88	- -	- -
Kilfore Creek	7300	12/14	20	4.0	6.3	- -						
Lost Creek Reservoir	6125						12/14	- -	- -	3.68	- -	- -
Parley's Canyon Summit	7500	12/27	38	7.7	9.0	7.5	12/27	- -	- -	9.90	10.22	97
Park City Summit	9300	1/7	72	21.0	12.6	- -						
Porcupine*	8100						1/3	4.59	- -	9.81	- -	- -
Sargeant Lakes*	8400						1/3	4.49	- -	11.00	- -	- -
Smith & Morehouse	7600	12/27	22	4.3	6.4	5.0	12/27	- -	- -	7.58	8.36	91
PROVO RIVER & UTAH LAKE												
Beaver Creek Divide	8000	1/3	38	8.0	- -	- -						
Camp Altamont	7300	1/3	28	6.4	8.2	6.3						
Dutchman R. S.	7560	1/3	40	10.3	8.4	- -	1/3	Gage Molested	- -	- -	- -	- -
Payson R. S.	8050	12/27	34	8.8	11.5	7.0	12/27	- -	- -	8.40	8.21	102
Rock Bridge	6750	12/27	25	5.7	10.5	4.8						
Soapstone	7800	12/28	37	6.0	6.4	5.2	12/28	- -	- -	8.08	7.06	114
South Fork R. S.	6100	1/4	18	4.8	4.6	2.4						
Timpanogos Cave Camp	5500	1/7	12	2.5	2.2	0.9b						
Timpanogos Divide	8140	1/3	34	8.7	12.0	10.2	12/27	4.20	5.04	9.90	11.98	82
Trial Lake	9800	1/3	60	13.0	12.4	11.5	1/3	- -	- -	13.48	10.07	134

SNOW

SNOW		THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
NAME	Elevation				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & SALT LAKE												
Lamb's Canyon	6600	12/27	37	8.9	7.2	5.8b						
Lamb's Canyon #2	7400	12/27	36	7.8	8.2	- -	12/27	- -	- -	7.62	- -	
Middle Canyon - Tooele	7000	1/2	36	9.1	- -	5.7	1/2	Gage Molested			7.28b	
Mill D. South Fork	7400	1/3	48	13.8	11.4	7.3						
Mt. Dell Dam	5500						12/31	4.52	2.59	8.92	6.56	135
Silver Lake (Brighton)	8725	1/3	50	14.2	13.2	9.9	12/31	7.25	4.80	15.11	12.44	121
UPPER SEVIER RIVER (South of Richfield, Utah)												
Bryce Canyon	8000	12/26	9	1.5	5.1	1.9						
Duck Creek R. S.	8700	12/28	15	2.3	8.6	5.2	12/28	1.05	- -	3.30	8.37	39
Farview	8825	12/26	10	2.3	7.5	- -						
Harris Flat R. S.	7700	12/28	8	1.2	6.8	3.0						
Kimberly Mine	9300	12/20	21	5.0	11.2	5.3b	12/20	- -	- -	5.30	7.46	71
Midway Valley	9800	12/27	22	5.6	13.0	8.9	12/27	- -	- -	4.70	- -	
Rainbow Point	9100	12/26	9	1.9	6.6	- -						
Widstoe Escalante #2	9500	12/26	12	2.2	7.7	4.1						
Widstoe Escalante #3	9500	12/26	14	2.8	9.5	5.1b	12/26	1.16	- -	3.34	6.56	51
Widstoe Escalante Summit	9500	12/26	10	1.9	6.4	3.1						
Widstoe R. S.	7600						12/26	.21	- -	.99	2.91	34
LOWER SEVIER RIVER (Including San Pitch)												
Farnsworth Lake	9900	12/27	38	9.1	12.1	7.3	12/27	- -	- -	6.40	8.22	78
G.B.R.C. Headquarters	8700	12/28	29	6.5	11.0	6.2	12/28	3.45	- -	5.18	- -	- -
Gooseberry R. S.	8400	12/27	31	7.2	8.0	4.7	12/27	- -	- -	5.05	- -	- -
Shingle Mill	6200	12/27	27	6.4	10.0	- -	12/27	- -	- -	9.20	7.19b	128
BEAVER RIVER												
Beaver Canyon P. H.	7275						12/31	1.39	1.72	4.09	4.12	99
Big Flat	10290	12/21	15	3.2	10.3	- -	12/21	- -	- -	3.09	- -	- -
Merchant Valley	8200	12/21	13	2.7	4.2	- -	12/21	- -	- -	5.11	- -	- -
Otter Lake	9300	12/21	14	3.2	8.6	- -						
PAROWAN CREEK												
Birch Crossing	8100	12/26	18	3.8	5.7	- -						
Brian Head	10000	12/26	33	8.1	11.6	- -						
Tall Poles	8800	12/26	27	5.9	8.9	- -	12/26	- -	- -	6.30	6.46a	98
GOAL CREEK												
CSU Ranch	8200	12/27	13	3.0	5.8	- -						
Urie Flat	8450	12/27	13	2.9	5.8	3.1b						
COLORADO RIVER BASIN												
UPPER GREEN RIVER - UTAH												
Burnt Creek	7900	12/18	12	2.1	- -	- -	12/18	- -	- -	4.85	4.94b	98
Grizzly Ridge	8500	12/18	16	2.8	5.6	- -	12/18	- -	- -	4.60	6.96b	66
Highline Trail*	10250						1/3	3.53	- -	8.70	- -	- -
King's Cabin (lower)	8600	12/18	12	2.0	5.0	- -						
King's Cabin (upper)	8730	12/18	18	3.2	6.1	- -	12/18	- -	- -	3.55	- -	- -
Steel Creek Park*	9900						Data Not Available					
DUCHESNE RIVER												
Currant Creek	7800	12/20	12	2.2	4.3	- -	12/20	- -	- -	4.30	- -	- -
Daniels-Strawberry Summit	8000	12/27	27	4.7	6.0	6.0	12/27	- -	- -	7.46	8.13	92
East Portal	7560	12/31	37	6.8	5.0	4.4b	12/31	5.82	- -	10.04	7.40	136
Indian Canyon	9100	12/20	14	2.5	7.2	5.2	12/20	- -	- -	3.05	6.71b	45
Julius Park	9800		Course Disturbed		7.0	5.6	12/19	- -	- -	3.95	6.56b	60

SNOW

SNOW		THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
NAME	Elevation				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
DUCHESNE RIVER (continued)												
Lakefork Mountain	10200	12/20	16	3.4	5.7	- -	12/20	- -	- -	4.97	- -	- -
Lakefork Mountain #2	8900	12/20	10	1.6	4.1	- -						
Lakefork Mountain #3	8100	12/20	8	1.5	2.6	- -						
Mosby Mountain	9500	12/19	13	2.1	4.8	4.5	12/19	- -	- -	3.85	5.15a	75
Paradise Park	10100	12/19	13	2.6	7.3	5.4	12/19	- -	- -	4.05	8.30	49
Strawberry Divide	8000	12/31	54	12.1	9.0	7.4b						
PRICE RIVER												
Dry Valley Divide	7800	12/28	24	3.6	5.6	4.2b						
Gooseberry Reservoir	8700	12/26	26	5.7	10.4	7.2b	12/26	- -	- -	7.48	7.99	94
Jones Ranch	7600	12/28	18	3.1	3.6	2.6b						
Mammoth R. S. - Ctnwd. Crk.	8800	12/26	31	6.2	10.4	7.7b	12/26	- -	- -	6.90	8.09	85
Mud Creek #2	8300	12/28	27	4.5	7.2	5.4	12/28	- -	- -	4.68	6.56	71
SAN RAFAEL RIVER												
Buck Flat	9400	12/28	33	6.1	8.2	- -	12/28	- -	- -	7.85	- -	- -
Rush Pond	9800	12/28	27	4.6	7.4	- -						
Stuart R. S.	7950	12/27	16	2.0	5.4	- -	12/27	- -	- -	3.75	- -	- -
Wrigley Creek	9000	12/28	20	3.1	5.7	- -						
VIRGIN RIVER												
Long Valley Junction	7500	12/28	2	.3	5.6	1.4						
Webster Flat	9200	12/27	21	5.4	9.6	6.6b	12/27	- -	- -	6.20	8.50	73
a - Partly Estimated b - Average of all past record - less than 15 years c - Adjusted for change in storage in Flaming Gorge Reservoir * - USU-SCS Cooperative Radio Reading + - 1958-72 15 year average period												

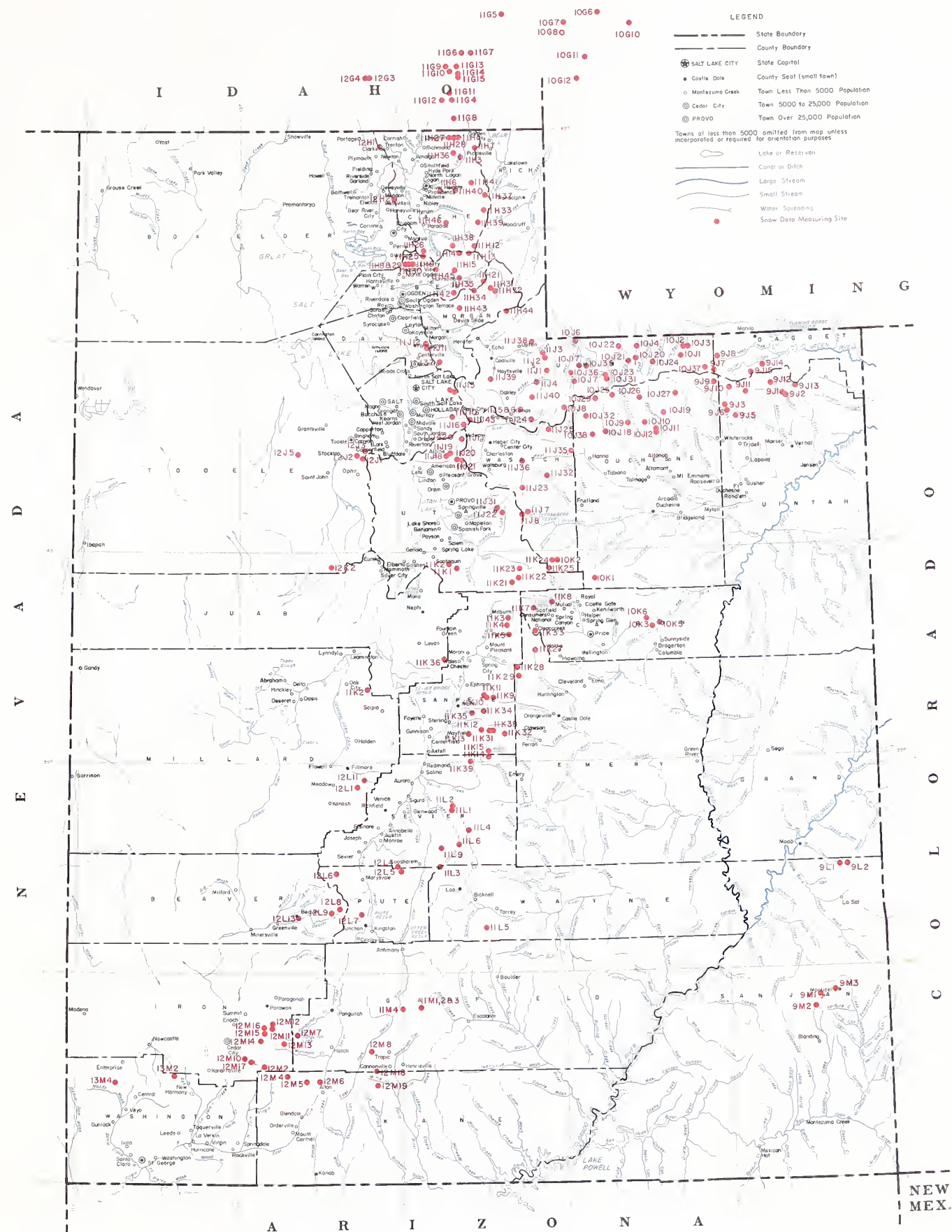
a - Partly Estimated

b - Average of all past record - less than 15 years

c - Adjusted for change in storage in Flaming Gorge Reservoir

* - USU-SCS Cooperative Radio Reading

+ - 1958-72 15 year average period



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1974

0 20 40
SCALE 1:1,500,000
ALBERS EQUAL AREA PROJECTION



INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

Great Basin Drainage													
No.	State	Name	Sec	Twp.	Age	Elev.	No.	State	Name	Sec	Twp.	Age	Elev.
Upper Bear River (above Harer, Idaho)													
10G11	W	Big Fork	7	27N	117W	8,700	12J2	U	Bevan's Cabin	24	4S	4W	6,450
10J6P	W	Burby-Miller Ranch	19	3N	10E	7,900	12J5P	U	Deseret Peak	15	4S	7W	9,250
10G7	W	CCC Camp x	9	29N	118W	7,500	11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
10J36P	U	Gold Hill	11	1N	9E	10,000	11J11	U	Farmington Canyon (upper)	26	3N	1E	8,000
10J7P	U	Hayden Fork	25	1N	9E	9,400	11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200	12J3P	U	Middle Canyon	8	4S	3W	7,000
10J35P	U	Lily Lake	34	2N	10E	9,300	11J10	U	Mill D South Fork	18	2S	3E	7,400
11H12P	U	Mane Cristo R. S.	4	8N	14E	8,960	12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
10G10	U	Piney Labarge x	19	29N	114W	8,820	11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
10G6	W	Poison Meadows x	19	29N	114W	9,900	12J3	U	Snow Bird (Good Valley)	18	3S	3E	10,000
10G8P	W	Salt River Summit x	32	29N	118W	7,900	12K2P	U	Vernon Creek	21	10S	5W	7,300
10J7P	U	Stillwater Camp	32	2N	10E	8,550							
Lower Bear River (below Harer, Idaho)													
11H27P	U	Big Lake	18	11N	5E	7,950	12L4P	U	Box Creek	33	26S	2W	9,800
11H6P	U	Bunchgrass	13S	1E	5E	7,400	12M8	U	Byce Canyon	36	36S	4W	8,000
11H3P	U	Christensen Ranch	27	3S	4E	5,600	12M13P	U	Castle Valley	23	36S	8W	9,700
11H48P	U	Cottonwood	5	8N	3E	7,300	12M18	U	Castle Creek R.S.	11	38S	8W	8,700
11H12P	U	Clarkson Mountain	29	14N	2W	6,300	12M5	U	Farview	24	36S	7W	7,200
11G12	U	Cub River Ranger Station	5	15S	41E	5,400	11L9P	U	High-Tip Mountain	36	28S	1E	11,400
11H43P	U	Curtis Creek	12	10N	4E	8,450	12L6P	U	Kimberly Mine	11	27S	5W	9,300
11H39P	U	Deer Springs	34	10N	4E	8,400	12M2M	U	Midway Valley	26	37S	9W	9,800
11G14a	U	Dry Basin	30	13S	42E	7,900	12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
11G16	U	Dry Creek Flat	31	13S	37E	6,350	12M19	U	Rainbow Point	29	38S	4W	9,100
11H7	U	Emigrant Summit	21	12S	42E	7,350	12L5	U	Squaw Springs	3	27S	2W	9,300
11H25P	U	Emigration Canyon (mouth)	24	12S	42E	6,500	11M4P	U	Wildrose R.S.	22	34S	2W	7,600
11H81P	U	Franklin City	16S	4E	8,000								
11H7MP	U	Jordan City Summit	34 & 35			7,400							
11H4P	U	Madison Canyon	24	11N	2W	7,400							
11G15P	U	Horseshoe Basin	4	11N	3E	7,000	11K13P	U	Beaver Dam	27	19S	3E	8,000
11H13P	U	Horseshoe Narrows	31	13S	42E	8,000	11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11H11P	U	Klondike Narrows	7	14N	3E	7,400	11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11G13	U	Liberty Narrows	10	13S	42E	8,240	11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11H25P	U	Little Bear (lower)	15	8N	1E	6,000	11L2P	U	Gooseberry R. S.	22	23S	2E	8,400
11H26P	U	Little Bear (upper)	22	8N	1E	6,550	11K3MP	U	Mammoth R. S.--Cottonwood Creek	13	13S	5E	8,800
11H6	U	Mt. Logan	3	11N	2E	9,000	11K18	U	Middle Fork	16	18S	4E	9,600
11G13	U	Oxford Mountain	32	13S	37E	6,800	11K12P	U	Oak Valley R.S.	19	17S	3W	7,760
11H46P	U	Paradise Canyon	36	10N	2E	7,650	11K3PPT	U	Pickle Kap Springs	4	21S	3E	9,900
11G5	U	Slug Creek Divide	15	10S	44E	7,225	12L1P	U	Pine Creek	24	22S	4W	8,700
11H27	U	Steep Hollow #1	7	14N	3E	9,700	11K26	U	Rees's Flat	20	15S	2E	7,300
11H28	U	Steep Hollow #2	9	13S	41E	5,800	12L13P	U	Shingle Hill	5	22S	3W	6,200
11G10	U	Strawberry Mink Divide	14	13S	41E	6,800	11K35	U	Thistle Flat	23	18S	3E	8,500
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250							
11H41P	U	Trippa Springs	29	12N	4E	7,600	BEAVER RIVER						
11G4P	U	Willow Flat	2	15S	41E	6,100	12L13	U	Beaver Race Track	23	29S	7W	6,020
Duchesne River													
	U	Awood Basin	21	1S	15E	10,250	10J27op						
	U	Brown Duck Lake	4	2N	6W	10,300	10J9P						
	U	Burnt Creek	2	1N	20E	7,900	9J14P						
	U	Chepeta-White rocks Lakes	3	1S	17E	10,300	9J9ap						
	U	Current Canyon	31	1S	10W	7,800	11J32MP						
	U	Five Point Lake	28	4N	5W	11,000	10J26op						
	U	Grizzley Ridge	8	1S	22E	8,500	10J13P						
	U	Indian Canyon	2	11S	10E	9,100	10K1P						
	U	Jackson Fork	23	3N	4E	10,300	10J1P						
	U	Julius Fork	23	3N	4E	10,300	9J8P						
	U	Lake Fork	21	3S	8W	10,800	10J28P						
	U	Lakefork Basin	13	4N	7W	11,100	10J25a						
	U	Lakefork Mountain #1	2 & 3	2N	5W	10,200	10J10P						
	U	Lakefork Mountain #2	10J11	2N	4W	8,900	10J11						
	U	Lakefork Mountain #3	10J12	2N	4W	8,100	10J12P						
	U	Lightning Lake	29	4N	8W	10,950	9J5						
	U	Moby Mountain	24	4N	8W	9,500	9J3P						
	U	Paradise Peak	27	2S	18E	9,500	10J18P						
	U	Rock Creek	21	2N	7W	7,900	10J32P						
	U	Shadow Lake	28	3N	8W	10,150	10J32P						
	U	West Fork of the Duchesne	22	1N	19E	10,250	11J35P						
Price River													
	U	Carrel	32	13S	14E	8,200	10K5M						
	U	Dry Valley Divide	20	12S	8E	7,800	11K4						
	U	Gooseberry Reservoir	25	14S	9E	9,000	11K8						
	U	Gassy Flat Creek-Left Fork	12	14S	12E	9,000	10J3M						
	U	Horseshoe	12	14S	12E	9,800	11K7						
	U	Jones Ranch	32	12S	7E	7,600	11K7						
	U	Timberline	4	14S	7E	8,300	11K33MP						
	U	White River #1	28	13S	4E	9,100	10K6						
	U	White River #2	11	10S	8E	8,550	10K2MP						
	U	White River #3	9	10S	8E	7,600	11K24						
	U	White River #3	30	10S	8E	7,400	11K25						
San Rafael River													
	U	Buck Flat	23	19S	4E	9,400	11K31P						
	U	Gooseberry Reservoir	23	13S	5E	8,700	11K4P						
	U	Huntington-Horseshoe	12	14S	5E	9,800	11K5						
	U	Red Pine Ridge	16S	6E	9,400		11K28P						
	U	Rush Pond	24	19S	4E	9,800	10K2MP						
	U	Steeley Creek	25	17S	4E	10,000	11K9						
	U	Stuart R.S.	8 & 9	13S	7E	7,500	11K27P						
	U	Upper Joe's Valley	21	16S	9W	9,000	11K30P						
	U	Wrigley Creek	27	19S	5E	9,000	11K32						

COLORADO RIVER DRAINAGE

PROVO RIVER & UTAH LAKE										UPPER GREEN RIVER IN UTAH (above Duchesne River)									
11J20	29	45	3E	7,300	911aP	U	Ashley Twin Lakes	20	15	19E	10,500								
11K21	18	113	6E	9,200	1021P	U	Black's Fork G.S. - East Fork	25	2N	12E	9,300								
11K22	9	6E	8,000	1022a	1022P	U	Black's Fork Junction	33	3N	12E	8,925								
11K23	7	6E	8,000	1023a	1023P	U	Buck Pasture	14	3N	11E	9,700								
11J24P	30	12W	8,000	1024P	1024P	U	Henry's Fork	29	14E	10,000									
11J25P	27	3E	7,500	1025P	1025P	U	Hewinto G.S.	33	3N	13E	9,500								
11J26P	20	3E	7,560	1026P	1026P	U	Hickerson Park	24	2N	19E	10,100								
11J27P	37	75	7E	7,560	1015P	U	Highline Trail	24	2N	19E	10,250								
11J28P	32	75	7E	7,420	1013P	U	Hole-in-the-Rock	13	2N	15E	9,150								
11J29P	36	45	6E	9,100	1013P	U	Hole-in-the-Rock G.S.	23	3N	16E	8,300								
11J30P	36	45	6E	9,100	912	U	King's Cabin (lower)	32	15	21E	8,600								
11J31	21	75	5E	6,400	911P	U	King's Cabin (upper)	22	15	21E	8,730								
11K1P	30	105	3E	8,050	1013P	U	McGoy Park	6	1N	17E	10,680								
11K2	14	105	2E	6,750	1013P	U	Middle Beaver Creek	31	3N	16E	8,550								
11J25P	9	35	8E	7,800	1012	U	Reynolds Park	9	15	18E	10,400								
11J19	24	45	2E	6,100	910cP	U	Spirit Lake	10	1N	17E	10,300								
11J18	34 & 35	75	6E	8,000	917P	U	Steel Creek Park	17	2N	13E	9,900								
11J18P	27	45	2E	5,500	1020P	U	Tokewanee Peak	23	1N	11E	9,600								
11J21P	33	45	3E	8,140	10131P	U	Windy Park	1	15	20E	9,400								
10J8P	5	25	9E	9,800	9112ap	U													

LEGEND

Numbering System (example)

10J7 Snow Course Only

10J7P Snow Course and Precipitation Gauge

10J7N Snow Course and Soil Moisture Station

10J7HA Aerial Marker -

10J7HA Snow Course, Soil Moisture Station and Precipitation Gauge

10J7P Snow Course, Soil Moisture Station and Precipitation Gauge

10J7P Aerial Marker Only

10J7P Aerial Marker and Precipitation Gauge

10J7P Aerial Marker Only on Gauge Only

10J7P Aerial Marker and Precipitation Gauge on Adjacent Drainage

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG., - Room 4012
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with the Snow Survey"*